

Headquarters U.S. Air Force

Integrity - Service - Excellence

Air Force Safety Update



Maj Gen McFann
Chief of Safety

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Overview

- **Mishap experience**
- **Mishap reduction strategy**
- **AF Operational Safety Council**



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Aviation



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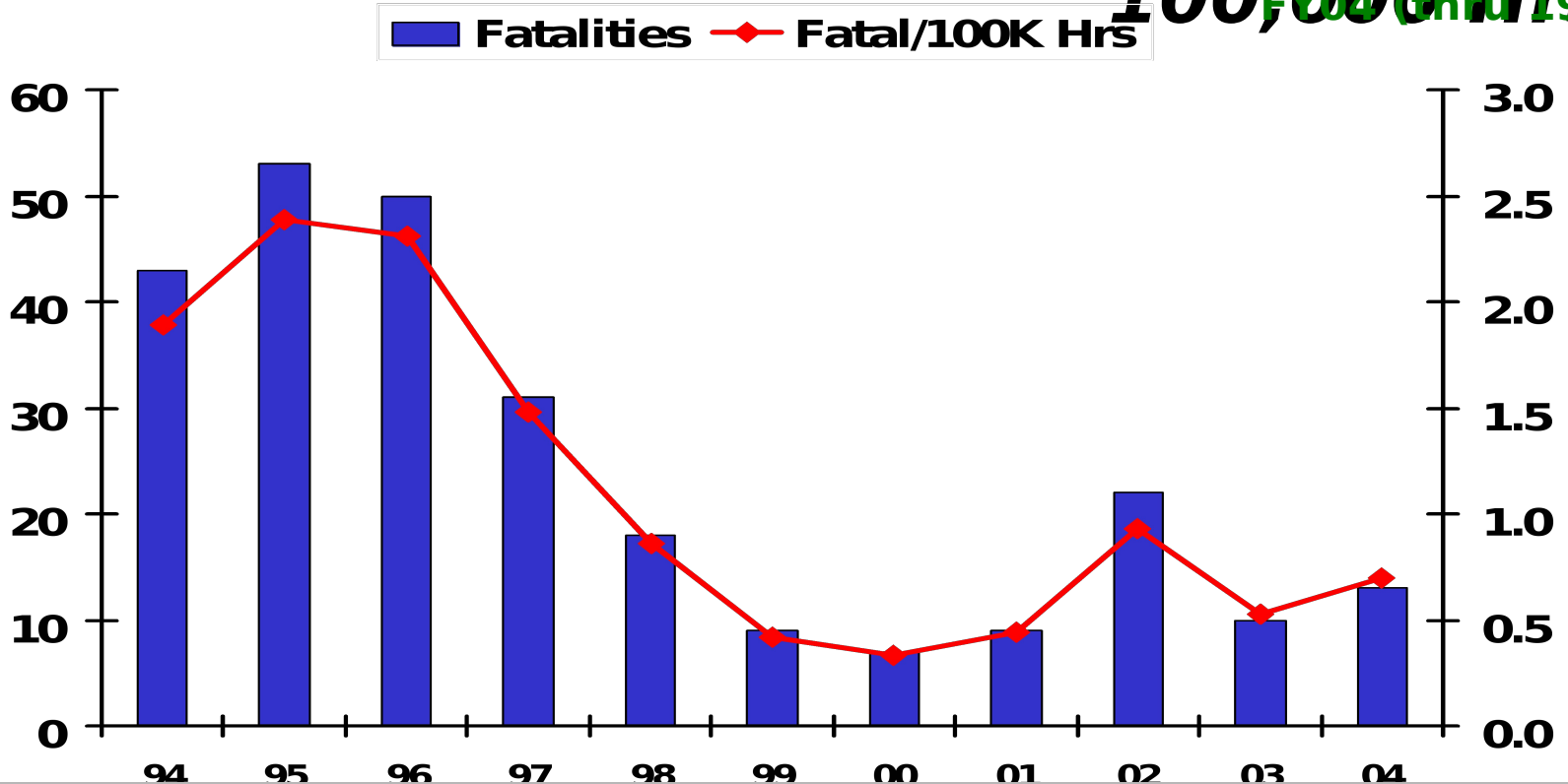


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Aviation-Related Fatalities

Fatalities / Fatality Rate per 100,000 Hrs

FY04 (thru 19 Jul 04)



FY04

FY03

Aviation Fatalities / Fatal Rate to Date: 13 / 0.70 10 / 0.52
10-Year Average Annual Fatalities / Fatal Rate: 25.3 / 1.16

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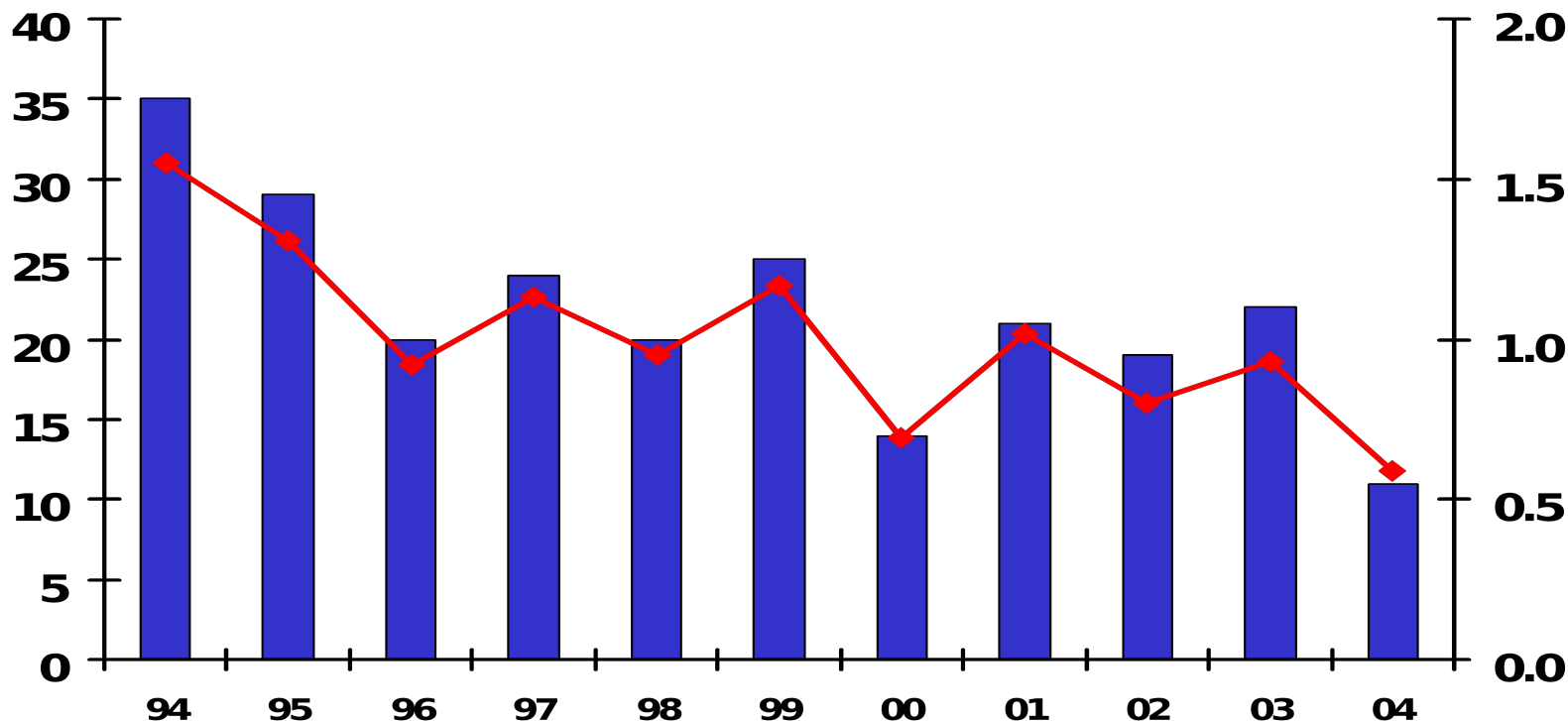
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Destroyed Aircraft

Destroyed Aircraft / Rate per 100,000 Hrs

FY04 (thru 19 Jul 04)

■ Destroyed Aircraft (DA) ◆ DA/100K



FY04

FY03

Destroyed Aircraft / Rate to Date: 11 / 0.59 19 / .99
10-Year Average Destroyed Aircraft / Rate: 22.9 / 1.06

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Class "A" Flight Mishaps By Major Command Through 19

Jul 04

	<u>FY04</u>	<u>FY03</u>	<u>Total FY03</u>
ACC	5	11	12
AETC	3	4	5
AFMC	2	1	1
AFRC	1	1	1
AFSOC	2	3	3
AFSPC	0	0	0
AMC	5	2	2
ANG	5	1	3
PACAF	2	1	2
USAFA	0	1	1
USAFE	0	1	1
TOTAL	25 / 1.35	26 / 1.35	31 / 1.30

***FY04 Destroyed
Aircraft: 11***

***USAF's Best Year (FY00): 23.0 / 1.13
10-Year Average: 29.3 / 1.34***



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Ground

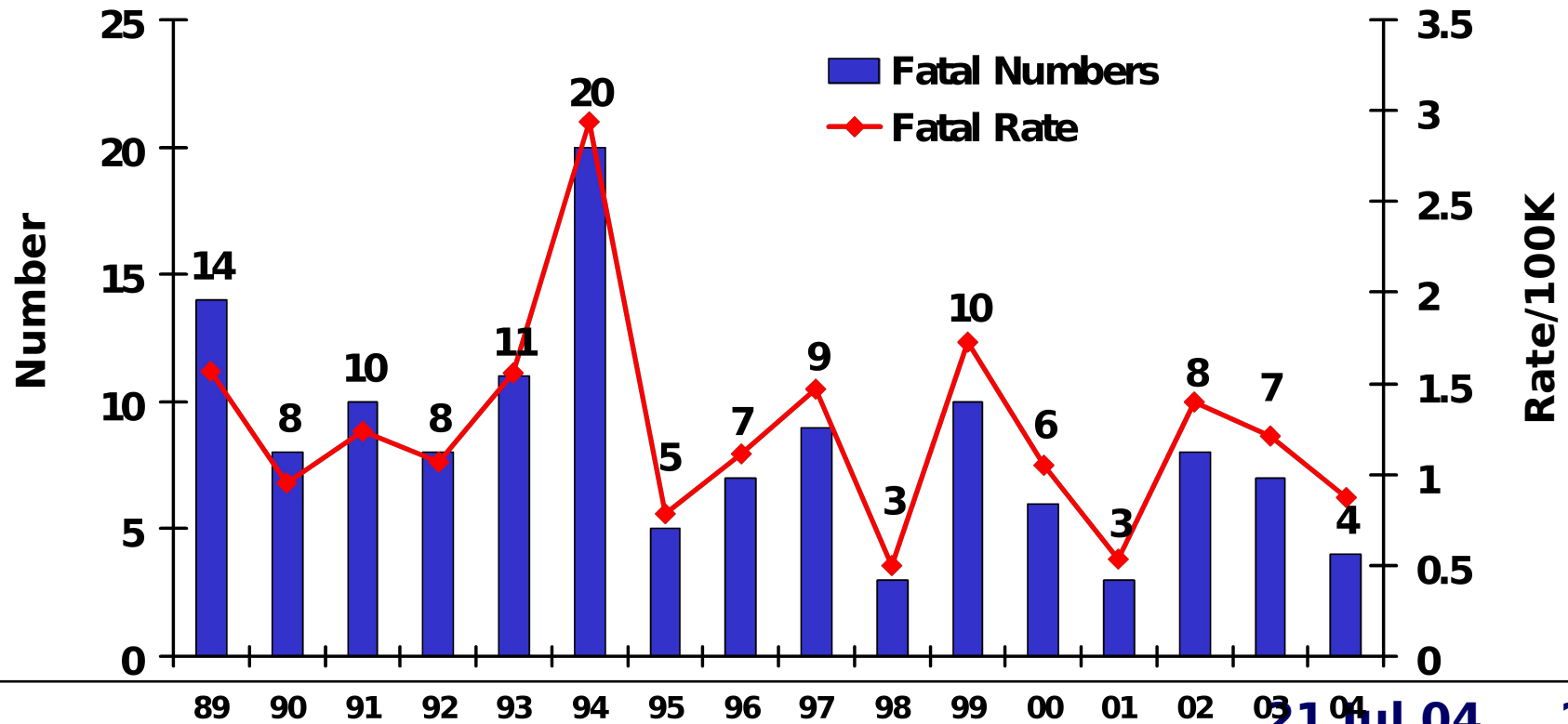


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On-Duty Ground Fatalities

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Jul 03

GROUND FATALITIES/FATAL RATE FY COMPARISON: 4 / .85

5 / 1.09

FY03 FATALITIES/FATAL RATE: 7 / 1.21

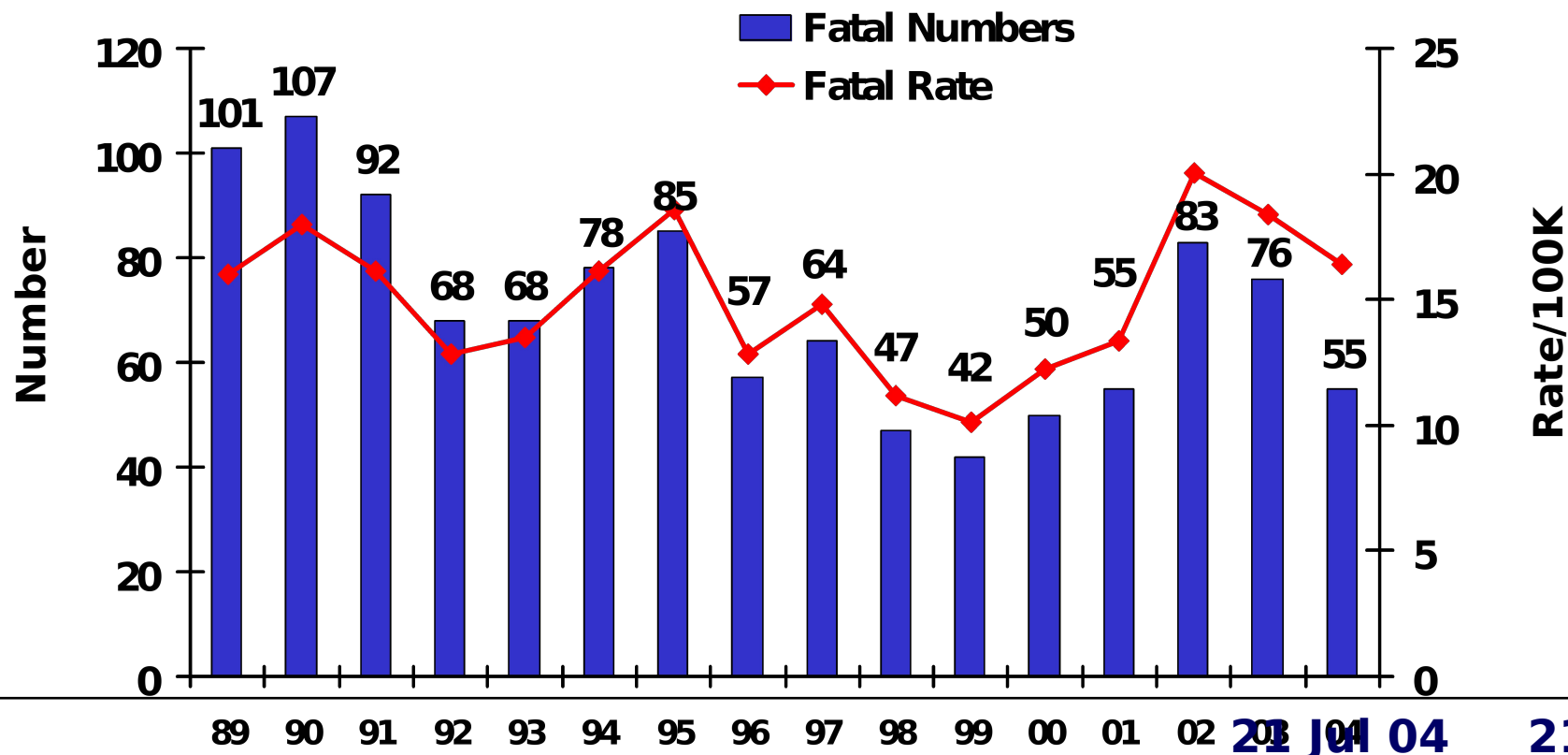
5-YEAR AVERAGE (FY99-03) FATALITIES/FATAL RATE: 6.8 / 1.18

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Off-Duty Ground Fatalities



Jul 03

GROUND FATALITIES/FATAL RATE FY COMPARISON: 55 / 16.43

55 / 16.47

FY03

FATALITIES/FATAL RATE: 76 / 18.37

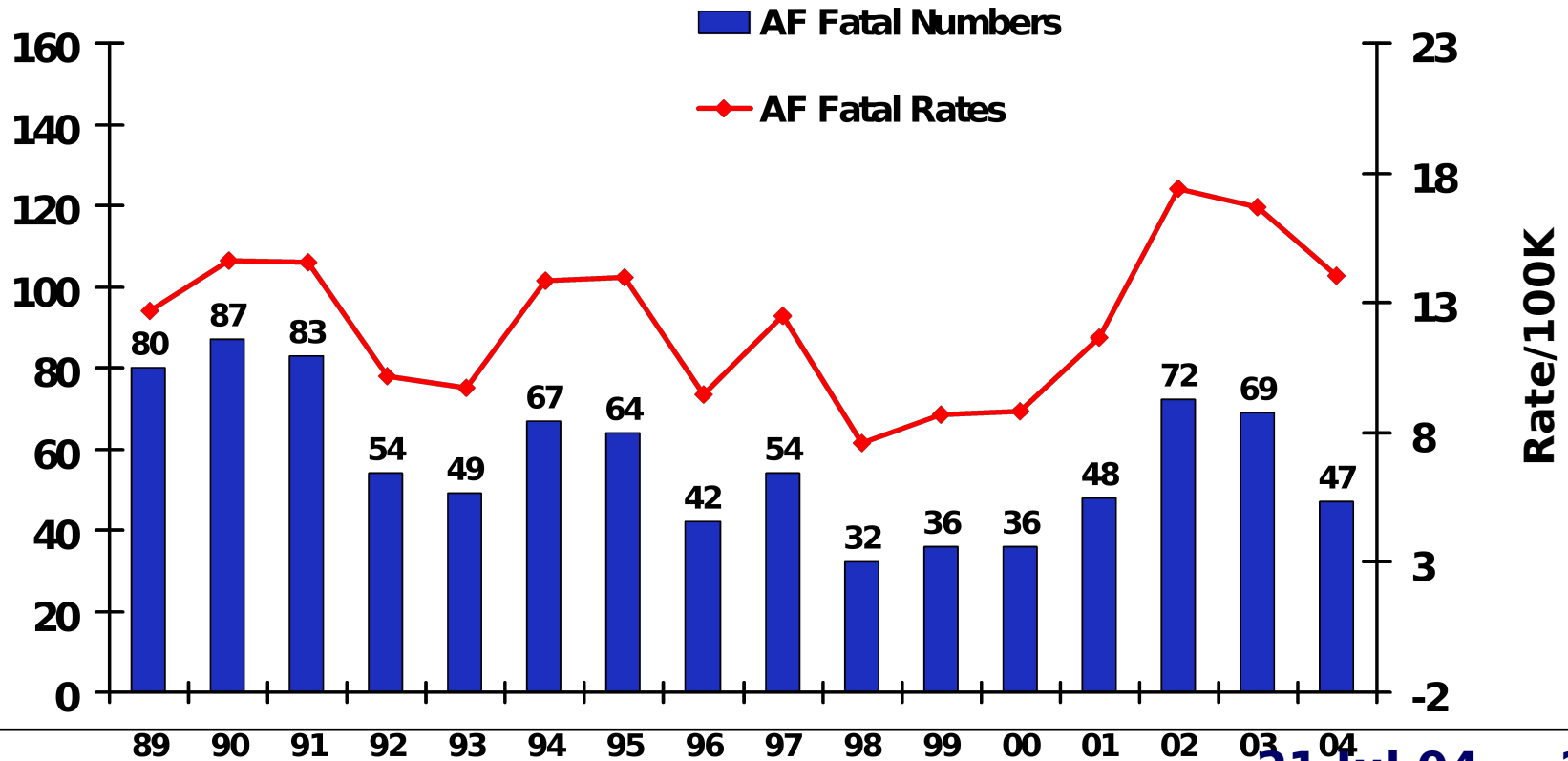
5-YEAR AVERAGE (FY99-03) FATALITIES/FATAL RATE: 61 / 14.78

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Off-Duty PMV Fatalities



Jul 03

21 Jul 04 21

PMV FATALITIES/FATAL RATE FY COMPARISON: 47 / 14.04
50 / 15.08

FY03 PMV FATALITIES/FATAL RATE: 69 / 16.68

5-YEAR PMV AVERAGE (FY99-03) FATALITIES/FATAL RATE: 52.2 / 12.65

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Weapons



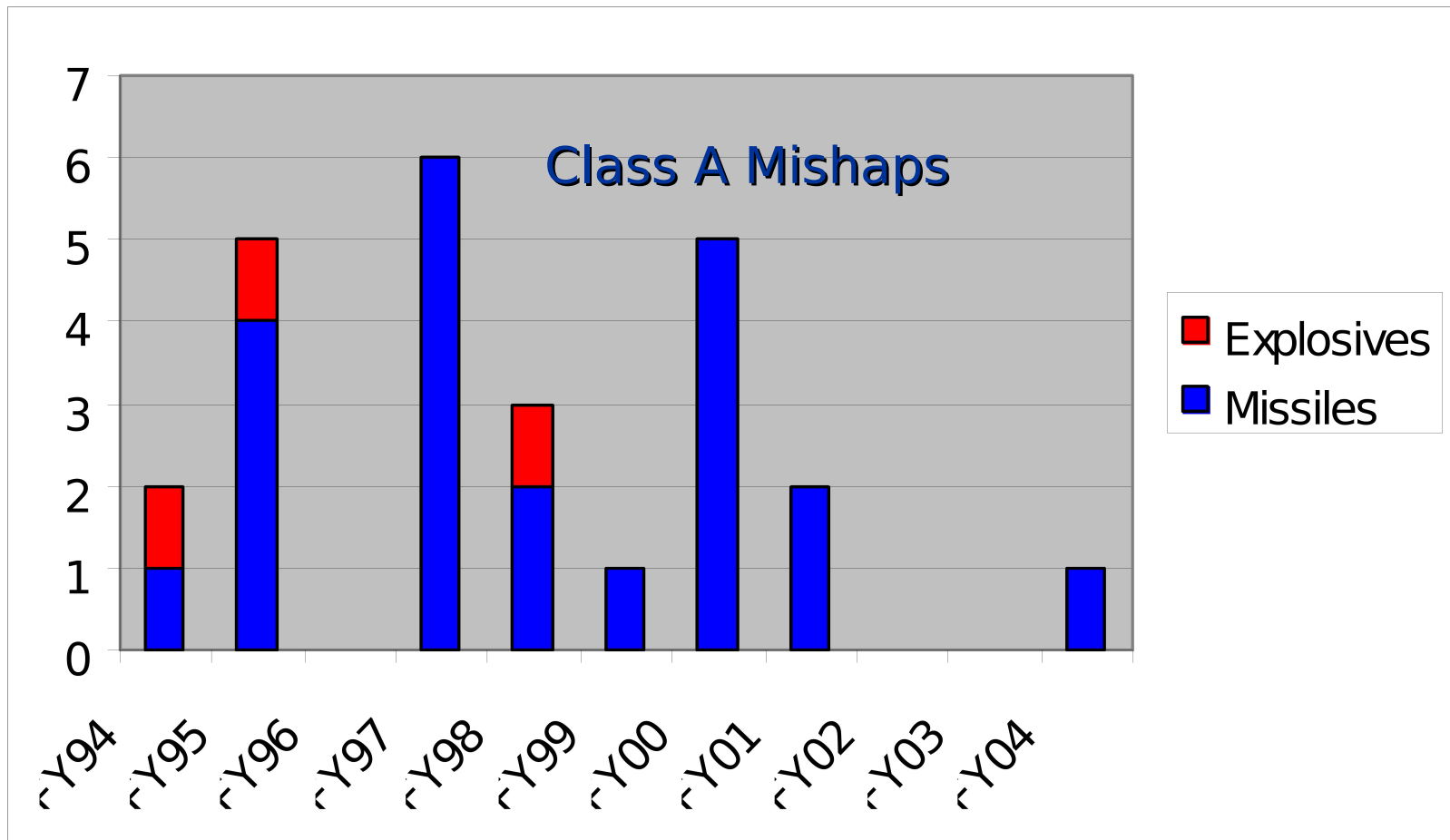
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Weapons Class A Mishaps (FY 94-03)

- **Weapons mishap numbers remain very low**





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Weapons Summary

- **Explosive and missile mishap rates decreasing**
- **Historical emphasis on mishap prevention**
 - **Don't be complacent**
 - **Don't only focus on high profile events**
- **Solid, institutionalized risk management philosophy**
- **Mature system safety approach**
- **Procedures are prescriptive and enforced**



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Space

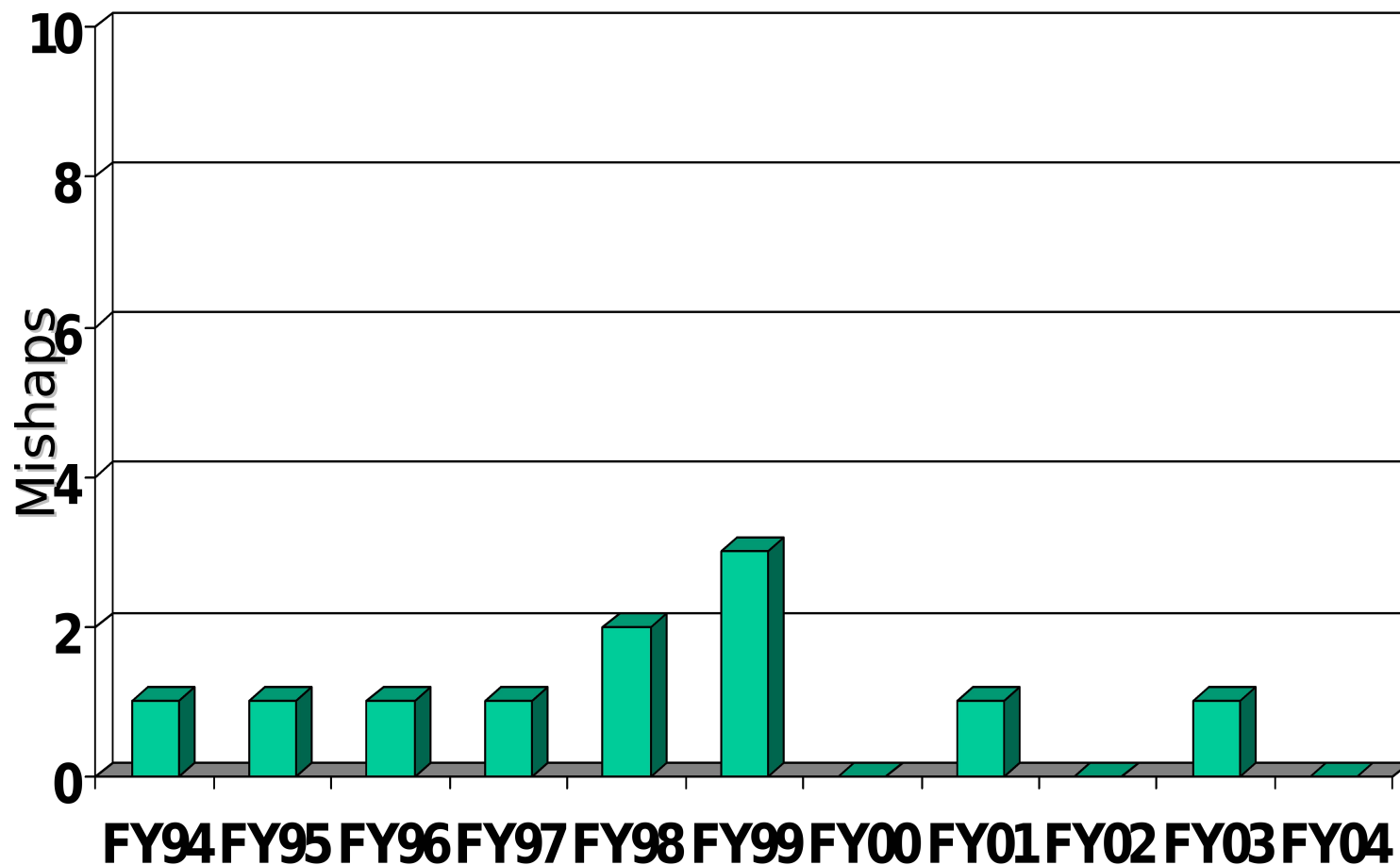


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Space Class A Mishaps (FY 94-04)





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Space Safety Summary

- **Space Safety programs preserve national space assets through Range, Launch, and Orbital risk management**
- **Space Safety division created in early 2004 to be the Air Force executive agent for space safety**
 - **Coordinates with DoD and federal agencies (NTSB, FAA, NASA)**
 - **Also provides oversight for AF Directed Energy Weapons safety programs and policy**



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FY 04 Mishap Experience (versus 10-Year Average)

Category	Fatalities		Class A Mishaps	
	FY04	FY94-03*	FY04	FY94-03*
Flight	13	25.3	25	29.3
Ground (On-Duty)	4	7.7	8	10.9
Ground (Off-Duty)**	55	64.3	58	70.5
Space	0	0.0	0	1.1
Weapons	0	0.0	1	2.4

****10-year Average***

*****Military Only***



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Mishap Reduction Strategy

Integrating Risk Management *A Cultural Shift*

Traditional Safety



Risk Management

- Reactive
- Evaluates compliance
- Focuses on performance
- Inspections/evaluations

- Proactive
- Evaluates risk
- Focuses on mission
- Everyone involved



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Mishap Reduction Strategy

Leadership Makes the Difference





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AF Operational Safety Council (AFOSC)

- **Chartered by CSAF in Dec 03**
 - **Corporate governance of AF-wide mishap prevention efforts**
 - **Chaired by AF Vice Chief of Staff--meets semiannually**
 - **Potentially five subordinate Task Forces**
 - **Kick-off Mar 04**
 - **Review AF 10-year mishap statistics and trends**
 - **MAJCOM briefings on plans to meet SECDEF's goal**
 - **Status update by DSOC Task Force Chairs**
-

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DoD and AF Linkages

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AF Operational Safety Council

Task Forces

- **Aviation Safety Improvements (AF/SE)**
- **Operational Safety Improvement**
- **Motor Vehicle Accident Reduction**
- **Industrial Operations**
- **Safety Investment Strategy**

Defense Safety Oversight Council

Task Forces

- **Aviation Safety Improvements (AF/SE)**
- **Military Training**
- **Deployments & Operations**
- **Private Motor Vehicle Accident Reduction**
- **Installation and Industrial Operations**
- **Worker's Compensation**
- **Occupational Med, Injury Prevention & Mitigation**
- **Enterprise Information & Data**
- **Technology & Acquisition Programs**



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AFOSC Risk Reduction Target Areas

- **Controlled flight into terrain**
 - **Midair collision**
 - **Powerplant**
 - **Loss of control in-flight**
 - **A/C system (non-powerplant)**
 - **Impact damage - wildlife**
 - **Impact damage - object**
 - **Traffic safety**
 - **Sports & recreation**
-



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Questions?

